



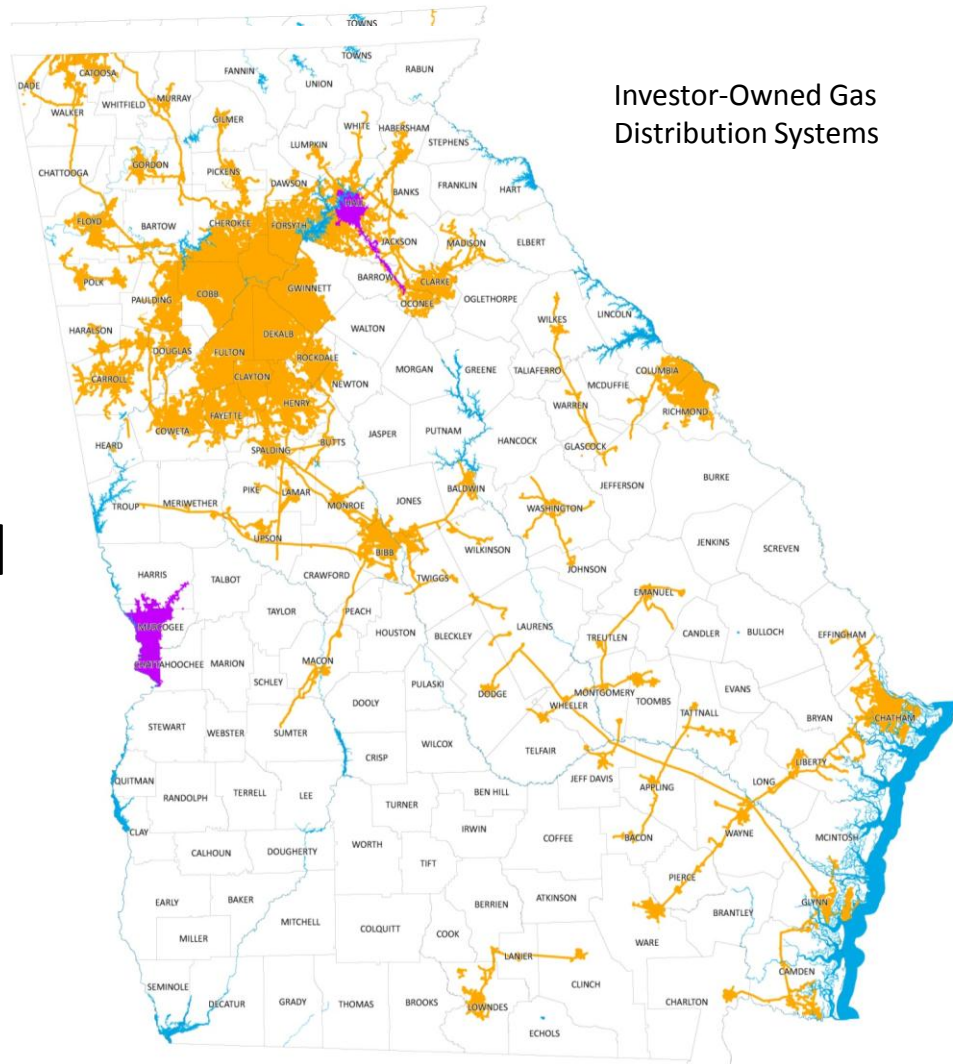
Georgia Emergency Response Group

**Improving pipeline safety in Georgia
(And a template for the Nation?)**

**Rick Lonn
VSCC Pipeline Safety Conference
October 10, 2013**

Pipelines in Georgia

- Over 89,000 miles of pipeline in Georgia:
 - Interstate Natural Gas Transmission Lines:
4,561 miles
 - Interstate Hazardous Liquid Transmission Lines:
2,124 miles
 - Intrastate Natural Gas Distribution Systems:
82,808 miles





Drivers for Change

Firefighters squeezing off gas lines when ruptured ; Need to change behaviors

JULY 2010 Meeting of GPSC, GA Association of Fire Chiefs: No firefighter involvement on the issues affecting them

Increased industry focus on effectiveness of ER training & liaison

2007 2008 2009 2010 2011 2012

MARCH, 2008

GA Public Service Commission issues Final Rule: County-wide Gas Safety Plans to reduce confusion/ duplication of efforts

SEPTEMBER 9, 2010

San Bruno: "What pipeline?"

Are GA firefighters adequately informed?

MAY 15, 2012

First-ever GA Emergency Response Group Meeting



Georgia Emergency Response Group Kick-Off

- May 15, 2012: (PHMSA/AGLC/GPSC) Brought together pipeline stakeholders to discuss ways to improve emergency response.
 - State and federal regulators
 - Pipeline operators
 - Emergency Responders: fire, police

- Discussed gaps, needs, concerns and capabilities that could be leveraged to improve response.

- Formed a Steering Team charged with developing a comprehensive program for educating GA first responders



Support from Tim Butters,
PHMSA Deputy
Administrator

GA Emergency Response Steering Team

Name

Company

Representing

RESPONDERS

Chief David Wall	GA Public Safety Training Center	GA State Fire & Police Training
Chief Jackie Gibbs	Marietta Fire Dept.	GA City Fire Department
Chief Jack McElfish	Sandy Springs Fire Dept.	GA City Fire Department
Inspector Doug Brown	Sandy Springs Fire Dept.	GA City Fire Department

PIPELINE OPERATORS

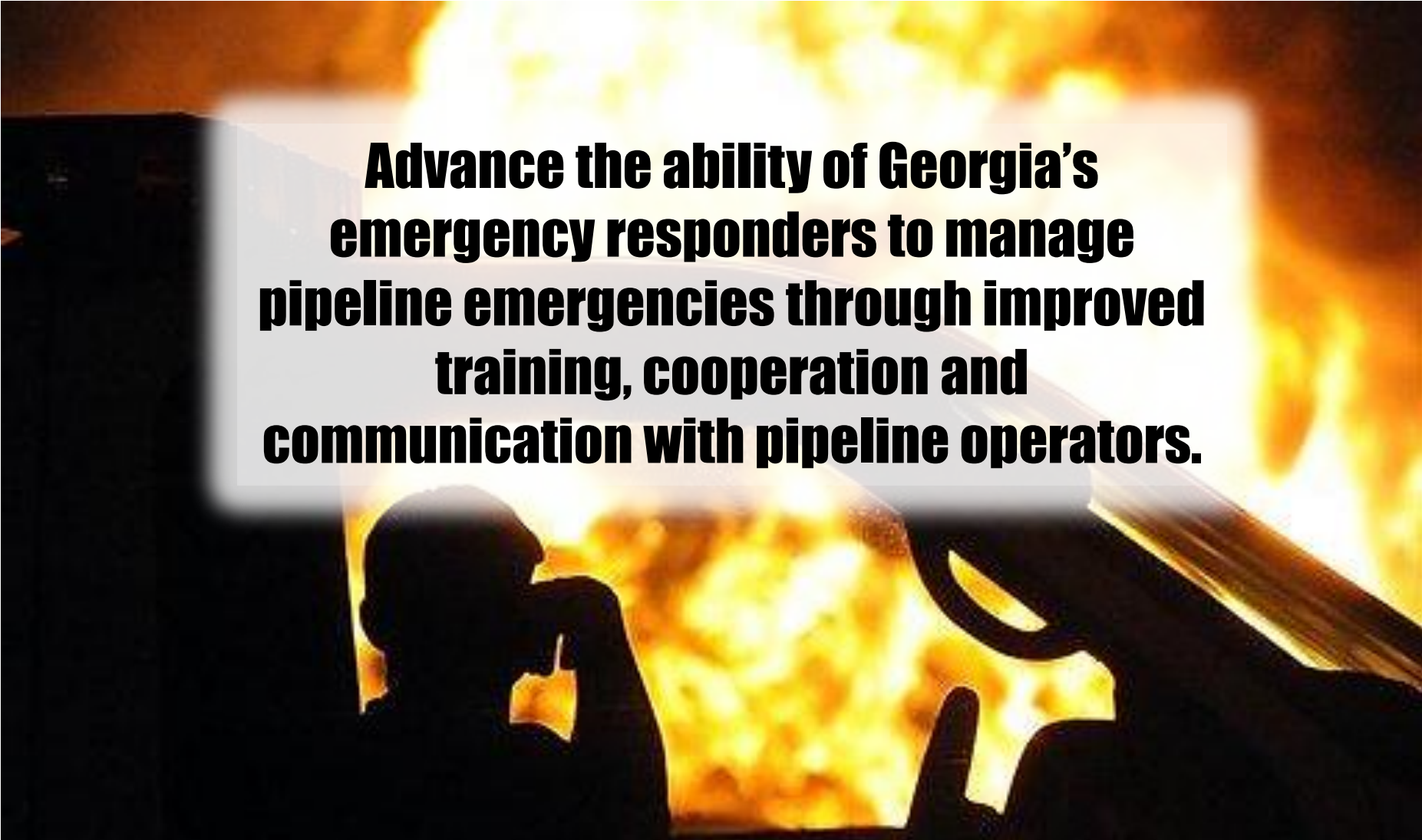
Gentry Wade	City of Buford	Natural Gas Local Distribution Company (Municipal)
Rick Lonn	AGL Resources	Natural Gas Local Distribution Company
Jacob Zillak	AGL Resources	Natural Gas Local Distribution Company
Dona Harrington-Burns	Colonial Pipeline	Refined Liquids Pipeline
Richard Calmes	Dixie Pipeline	Highly Volatile Liquids Pipeline
Gregg Hammond	Williams Pipeline/Transco	Interstate Natural Gas Pipeline
Larry Hjalmarson	Williams Pipeline/Transco	Interstate Natural Gas Pipeline (retired)

REGULATORS

Michael Khayata	PHMSA	US DOT Pipeline/Hazardous Material Enforcement
Arthur Buff	PHMSA	US DOT Pipeline/Hazardous Material Enforcement
Jason Allen	Office of State Fire Marshal	GA State Hazardous Materials Enforcement
Jeff Baggett	GA Public Service Commission	GA Pipeline Safety Enforcement
Chris Swan	GA Public Service Commission	GA Pipeline Safety Enforcement



Mission Statement



**Advance the ability of Georgia's
emergency responders to manage
pipeline emergencies through improved
training, cooperation and
communication with pipeline operators.**



A New Approach to Training Responders

- Enlist the assistance of the **GA Public Safety Training Center (Forsyth, GA)** to provide pipeline safety training for Georgia responders
 - Use NASFM *Pipeline Emergencies* Course as basis for training (Modified during review)
- Establish a modular approach based on needs, rank & responsibility
 - **4 hr. course** – for law enforcement, EMS, emergency managers, fire chiefs
 - **8 hr. course** – for rank and file firefighters (volunteer or paid)
 - **16 hr. course** - for hazmat teams, command officers





A New Approach to Training Responders

- Planned training delivery methods:
 - Direct Classroom
 - At GA Public Safety Training Center campus
 - Classroom-in-the-field with VFDs
 - Train the Trainer for larger fire departments
 - Online for on-demand and refresher training
- Goal is to train all 630 Georgia fire departments over a three-year period and develop appropriate intervals for recertification.





Chapter 1

Introduction, Scope And Purpose

Chapter Outline

- Introduction
- The Players
- Summary





Chapter 2

Pipeline Regulations and Safety Programs

Chapter Outline

- Introduction
- Pipeline: an Overview
- Laws, Regulations, and Standards
- Pipeline Safety and Incident Experience
- Summary





Chapter 3

Pipeline Operations

Chapter Outline

- Introduction
- Overview of the Pipeline Transportation Chain
- Identification of Pipelines
- Pipeline Design and Construction
- Summary





Chapter 4

Liquid Products Pipeline Operations

Chapter Summary

- Introductions
- Physical and Chemical Properties
- Liquid Petroleum Products
- Liquid Refined Product Pipeline Operations
- Clues of a Liquid Pipeline Incident
- Summary





Chapter 5

Gas Pipeline Operations



Chapter Outline

- Introduction
- Natural Gas: Physical and Chemical Properties
- Combustion Characteristics of Natural Gas
- Natural Gas and Its Combustion Products
- Natural Gas Gathering and Transmission Pipelines
- Natural Gas Distribution Pipeline Operations
- Clues Indicating a Natural Gas Pipeline Incident
- Summary



Chapter 6

Pipeline Emergency Response Operations

Chapter Outline

- Introduction
- The Incident Command System
- Developing the IAP: Strategies and Tactics
- The Tactical Response
- Summary





Chapter 7

Tactical Response Guidelines For Pipeline Emergencies

Chapter Outline

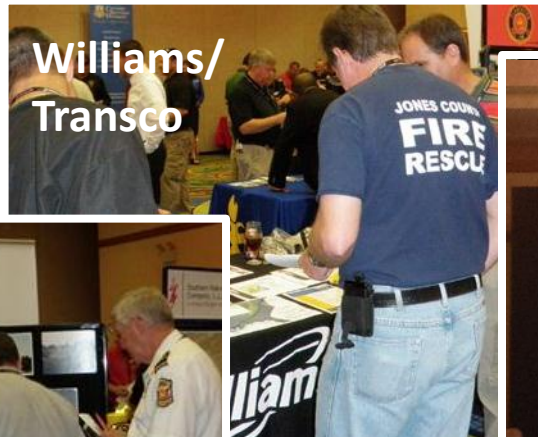
- Introduction
- Hazard Assessment and Risk Evaluation
- Pipeline Emergency Response Safety Issues
- Tactical Scenarios
- Summary





Progress to Date

- GA Fire Chiefs are actively promoting the program within their ranks
 - Appointed a Program Manager (former Chief & Inspector) to be the point person for marketing, managing, and maintaining the program (\$100k seed money)
 - Pipeline Operators played a significant role in recent GA Fire Chiefs conference



Progress to Date

- Reviewed/revised Pipeline Emergencies Course: 16-hour course
 - Course has been previewed with firefighters at GPSTC twice
 - over the past few months
- White paper in final development paper to describe program model
- Preparing a “business plan” and a funding model to permit GA pipeline operators to sustain this program at the State Fire Academy by redirecting existing RP 1162 funds going forward
- Preparing a Special Permit request to PHMSA (w/attached White Paper)





Partnership Has Its Rewards

■ PREVENTION TRUMPS RESPONSE

- Active support from GA Fire Chiefs for preventing pipeline incidents (*prevent the incident you would have otherwise had to respond to*)
 - Requested a seat on GUCC Legislative Committee
 - Looking at requiring city zoning & planning to link permit issuance to evidence of one call
 - Discussing using firefighters to approach excavators to ask about one call tickets
 - Active support for ROW Watch Program

Authority to question diggers



**Know what's below.
Call before you dig.**



Questions?